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**XXII. Observations on the Heat of the Bath
and Bristol Water, by Mr. John Canton,
A. M. F. R. S.**

Bath, Sept. 2, O. S. or the 13th N. S. 1752.

Read July 3,
1767. **A** F T. E R pumping about $\frac{1}{4}$ of an hour,
a Fahrenheit's thermometer, held in
the stream from the common pump of the king's
bath, was raised to 112° . The stream from the com-
mon pump of the hot bath raised it to $114^{\circ}\frac{1}{2}$. At the
pump of the cross bath, it stood at 110° . At noon,
the heat of the shaded air was 66° , and of common
water exposed to it 61° . I found the bath water, and
common water, brought to the same degree of heat,
to cool equally fast. The next day, Sept. 14, I was at
the hot-well near Bristol, the water of which raised
the thermometer to 76° . In common water exposed
to the shaded air it stood at 62° .

J. Canton.